BENCH MARK DESCRIPTIONS AND ELEVATIONS

JENNINGS COUNTY (taken from page 23)

Complete Document is located at: http://www.in.gov/dnr/water/comm_assistance/benchmarks/pdf/jennings.pdf

USGS RM 1 BUTLERVILLE GAGE

In Jennings County, Indiana, 4.9 miles northeast of North Vernon, 2.2 miles northwest of Butlerville, 0.6 mile west along a narrow gravel road from the Muscatatuck State School Power House, 400 feet north of the gravel road, at a USGS concrete gaging station shelter, 30 feet east (30 feet upstream) and 5 feet streamward to the northeast corner of the recorder shelter, 5 inches above the ground, a standard USGS bronze "Stream Gaging Station Marker", not stamped. 680.891

BM JEN 4 and USGS RM 1 BRUSH CREEK

In Jennings County, Indiana, about 5.6 miles northeast of North Vernon, at the Muscatatuck State School, at the earth fill water supply dam on Brush Creek, on the top of the dam, on the gage and valve house well, on the top of the northwest corner of the concrete well, a standard Indiana Flood Control and Water Resources Commission bronze bench mark tablet, stamped "JEN 4 1953". 729,382

USGS RM 4

In Jennings County, Indiana, about 5.6 miles northeast of North Vernon, at the Muscatatuck State School, at the earth fill water supply dam on Brush Creek, at the south end of the dam, 60 feet east of the centerline of the dam, 4 feet below the top of the dam, a ¼-inch square concrete post projecting 2 feet above the ground, stamped "2". 726.472

BM JEN And USGS RM 7 BRUSH CREEK

In Jennings County, Indiana, about 5.6 miles northeast of North Vernon, at the Muscatatuck State School, at the earth fill water supply dam on Brush Creek, 150 feet west of the base of the earthen dam, on the concrete Columbus Deep Notch control dam, on the northwest end of the northwest wingwall of the concrete dam, a standard Indiana Flood Control and Water Resources Commission bronze bench mark tablet, stamped "JEN 5 1953". 688.821

STATE OF INDIANA DEPARTMENT OF NATURAL RESOURCES DIVISION OF WATER

BRUSHCK

PRIMARY SURVEY CONTROL DATA

Sec. NE 1/4 16 Twp. 7N Ran. 9E , Agency Established by: INDIANA DEPARTM	Station Code and No. BCK 2 County: JENNINGS Civil Twp: 2ND P.M. USGS 7.5' Quad: BUTLERVILE ENT OF NATURAL RESOURCES Date: 1989 Date:
ELEVATION DATA (N.G.V.D. 1929): 2ND ORD Elevation: <u>730.082</u> Feet. <u>22</u>	
Indiana state plane coordinates in	" λ=° , " U.S. SURVEY FEET (one meter = 39.37 inches exactly) Easting: 368,305.5010 Northing: 1,387,039.812
AZIMUTH DATA: Mark Name Geodetic Azimuth BCK 1	Grid Azimuth Grid Distance (feet) 162° 08 ' 59 " 391.280
DESCRIPTION OF MONUMENT, R	OUTE TO STATION, AND REFERENCE MARKS

The station is located at the North end of the Brush Creek Reservoir Dam. A standard Indiana Department of Natural Resources bronze control station tablet stamped " BCK 2 1988 ". Set in a concrete post about flush with the ground. Set in the approximate centerline of the dam.

- 10.6 feet Easterly of a utility pole.
- 31.0 feet Westerly of a standard Indiana Flood Control and Water Resources Commission bronze control station tablet stamped " JEN 1953 ".
- 31.0 feet Westerly of the Southwest corner of the gaging station building.
- 49.3 feet South of the toe of slope of a hill at the North end of the Dam.

BRUSHCK

STATE OF INDIANA DEPARTMENT OF NATURAL RESOURCES DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

Sec. NE 1/4 16 To	SH CREEK RESERVOIR Cou wp. 7N Ran. 9E , 2NI d by: INDIANA DEPARTMENT by:	unty: <u>JENNINGS </u>	uad: <u>BUTLERVILE</u> ES Date: <u>198</u> 9	
	.G.V.D. 1929): 2ND ORDER 888 Feet. 222.			
INDIANA STATE	A.D. 1983): :	S. SURVEY FEET (one)	meter = 39.37 inches	exactly)
AZIMUTH DATA: Mark Name BCK 2	Geodetic Azimuth	342° 08′ 59″ —° —′, —″	Grid Distance 391.280	(feet)

The station is located at the south end of Brush Creek Reservoir Dam. A standard Indiana Department of Natural Resources bronze control station tablet stamped "BCK 1 1988 " set in a concrete post, about flush with the ground.

- 44.7 feet Northerly of a twin trunked Tulip tree.
- 54.2 feet Southwesterly of an old gate post.
- 80.2 feet Westerly of a Railroad spike in a 36 inch Oak tree.
- 110.8 feet Southwesterly of a concrete fence post.